

NU 311 ECM/C3

Single row cylindrical roller bearing, NU design



Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the outer ring and no flanges on the inner ring, NU design bearings can accommodate axial displacement in both directions. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged.

- High radial load carrying capacity
- Low friction
- Long service life
- Accommodate axial displacement in both directions
- Separable design

Overview

Dimensions

Bore diameter	55 mm
Outside diameter	120 mm
Width	29 mm

Performance

Basic dynamic load rating	156 kN
Basic static load rating	143 kN
Limiting speed	7 000 r/min
Reference speed	6 000 r/min
SKF performance class	SKF Explorer

Properties

Axial displacement capability	In both directions
Bearing part	Complete bearing
Bore type	Cylindrical
Cage	Machined metal
Coating	Without
Locating feature, bearing outer ring	None
Loose flange	None
Lubricant	None
Number of flanges, inner ring	0
Number of flanges, outer ring	2
Number of rows	1
Radial internal clearance	C3

Relubrication feature	Without
Sealing	Without

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